

Amendments to the Claims

1. (Currently amended) A solid reagent comprising an organic polymer base in which a graft polymer side chain is introduced onto the backbone of the organic polymer base and a reactive functional group selected from the group consisting of hypochlorite ion, periodate ion, peroxide ion, chromate ion, dichromate ion, perruthenate ion, tetrahydroborate ion, cyanotrihydroborate ion, tribromide ion, cyanide ion, thiocyanate ion, azide ion and nitrite ion is introduced onto the polymer side chain, ~~wherein the solid reagent is capable of reacting stoichiometrically with a starting compound by contact with the starting compound to convert the starting compound into a target organic compound.~~

2. (Original) The solid reagent of claim 1 wherein the organic polymer base is in the form of a fiber, a woven or nonwoven fabric consisting of an assembly of fibers, a porous membrane or a hollow fiber membrane.

3. (Previously presented) The solid reagent of claim 1 wherein the graft polymer side chain is introduced via a radiation-induced graft polymerization.

4. (Currently amended) The solid reagent of claim 1 wherein the reactive functional group serves as a reagent for any one of oxidation reaction, reduction reaction, ~~deprotonation reaction~~, halogenation reaction or nucleophilic replacement reaction.

5. (Cancelled)

6. (Currently amended) A process for preparing a solid reagent of claim 1, comprising graft-polymerizing a polymerizable monomer having a group capable of being converted into a reactive functional group onto the backbone of an organic polymer base to form a polymer side chain and then converting the group capable of being converted into a reactive

functional group on the polymer side chain into the reactive functional group, wherein the reactive functional group is selected from the group consisting of hypochlorite ion, periodate ion, peroxide ion, chromate ion, dichromate ion, perruthenate ion, tetrahydroborate ion, cyanotrihydroborate ion, tribromide ion, cyanide ion, thiocyanate ion, azide ion and nitrite ion.

7-11. (Cancelled)

12. (Previously presented) The solid reagent of claim 2 wherein the graft polymer side chain is introduced via a radiation-induced graft polymerization.

13. (Currently amended) The solid reagent of claim 2 wherein the reactive functional group serves as a reagent for any one of oxidation reaction, reduction reaction, ~~deprotonation reaction~~, halogenation reaction or nucleophilic replacement reaction.

14. (Currently amended) The solid reagent of claim 3 wherein the reactive functional group serves as a reagent for any one of oxidation reaction, reduction reaction, ~~deprotonation reaction~~, halogenation reaction or nucleophilic replacement reaction.

15-17. (Cancelled)

18. (Currently amended) A process for preparing a solid reagent of claim 2, comprising graft-polymerizing a polymerizable monomer having a group capable of being converted into a reactive functional group onto the backbone of an organic polymer base to form a polymer side chain and then converting the group capable of being converted into a reactive functional group on the polymer side chain into the reactive functional group, wherein the reactive functional group is selected from the group consisting of hypochlorite ion, periodate ion, peroxide ion, chromate ion, dichromate ion, perruthenate ion, tetrahydroborate ion, cyanotrihydroborate ion, tribromide ion, cyanide ion, thiocyanate ion, azide ion and nitrite ion.

19. (Currently amended) A process for preparing a solid reagent of claim 3, comprising graft-polymerizing a polymerizable monomer having a group capable of being converted into a reactive functional group onto the backbone of an organic polymer base to form a polymer side chain and then converting the group capable of being converted into a reactive functional group on the polymer side chain into the reactive functional group, wherein the reactive functional group is selected from the group consisting of hypochlorite ion, periodate ion, peroxide ion, chromate ion, dichromate ion, perruthenate ion, tetrahydroborate ion, cyanotrihydroborate ion, tribromide ion, cyanide ion, thiocyanate ion, azide ion and nitrite ion.

20. (Currently amended) A process for preparing a solid reagent of claim 4, comprising graft-polymerizing a polymerizable monomer having a group capable of being converted into a reactive functional group onto the backbone of an organic polymer base to form a polymer side chain and then converting the group capable of being converted into a reactive functional group on the polymer side chain into the reactive functional group, wherein the reactive functional group is selected from the group consisting of hypochlorite ion, periodate ion, peroxide ion, chromate ion, dichromate ion, perruthenate ion, tetrahydroborate ion, cyanotrihydroborate ion, tribromide ion, cyanide ion, thiocyanate ion, azide ion and nitrite ion.

21. (Previously presented) The process of claim 6 wherein the graft polymerization is conducted via a radiation-induced graft polymerization.

22-34. (Cancelled)